

5' GGG CAG CCT CTG CCG GGT TCC GGG AAA AGG AGC TCC TGC TGC CAC TGC TCT TCC

9	18	27	36	45	54
GGG CAG CCT CTG CCG GGT TCC GGG AAA AGG AGC TCC TGC TGC CAC TGC TCT TCC					
63	72	81	90	99	108
GGA GCC TGC AGC ATG GGG CCC CTG CCG CGC ACC GTG GAG CTC TTC TAT GAC GTG					
M G P L P R T V E L F Y D V					
117	126	135	144	153	162
CTG TCC CCC TAC TCC TGG CTG GGC TTC GAG ATC CTG TGC CGG TAT CAG AAT ATC					
L S P Y S W L G F E I L C R Y Q N I					
171	180	189	198	207	216
TGG AAC ATC AAC CTG CAG TTG CGG CCC AGC CTC ATA ACA GGG ATC ATG AAA GAC					
W N I N L Q L R P S L I T G I M K D					
225	234	243	252	261	270
AGT GGA AAC AAG CCT CCA GGT CTG CTT CCC CGC AAA GGA CTA TAC ATG GCA AAT					
S G N K P P G L L P R K G L Y M A N					
279	288	297	306	315	324
GAC TTA AAG CTC CTG AGA CAC CAT CTC CAG ATT CCC ATC CAC TTC CCC AAG GAT					
D L K L L R H H L L Q I P I H F P K D					
333	342	351	360	369	378
TTC TTG TCT GTG ATG CTT GAA AAA GGA AGT TTG TCT GCC ATG CGT TTC CTC ACC					
F L S V M L E K G S L S A M R F L T					

FIGURE 1A

559TTF "EEETH60

387	GCC GTG AAC TTG GAG CAT CCA GAG ATG CTG GAG AAA GCG TCC CGG GAG CTG TGG	405	414	423	432
	A V N L E H P E M L E K A S R E L W				
441	ATG CGC GTC TGG TCA AGG AAT GAA GAC ATC ACC GAG CCG CAG AGC ATC CTG GCG	459	468	477	486
	M R V W S R N E D I T E P Q S I L A				
495	GCT GCA GAG AAG GCT GGT ATG TCT GCA GAA CAA GCC CAG GGA CTT CTG GAA AAG	513	522	531	540
	A A E K A G A G M S A E Q A Q G L L E K				
549	ATC GCA ACG CCA AAG GTG AAG AAC CAG CTC AAG GAG ACC ACT GAG GCA GCC TGC	567	576	585	594
	I A T P K V K N Q L K E T T E A A C				
603	AGA TAC GGA GCC TTT GGG CTG CCC ATC ACC GTG GCC CAT GTG GAT GGC CAA ACC	621	630	639	648
	R Y G A F G L P I T V A H V D G Q T				
657	CAC ATG TTA TTT GGC TCT GAC CGG ATG GAG CTG GCG CAC CTG CTG GGA GAG	675	684	693	702
	H M L F G S D R M E L L A H L L G E				

FIGURE 1B

# 559T "EEL" 450

711	AAG TGG ATG GGC CCT ATA CCT CCA GCC GTG AAT GCC AGA CTT TAA GAT TGC CCG	729	738	747	756
K W M G P I P P A V N A R L					
765	GAG GAA GCA AAC TCT TCG TAT AAA AGC AGG CCA TCT GCT TAA CCC TTG GCT	783	792	801	810
819	CCA CCA TAA GGC AGC ACT GGG ACT CGG ATT TCT CTA TCT GAT AGA GGT ATT TTC TGT	837	846	855	864
873	GGC CCT GGG AGC TGT CTG CTG TCT TTC CCC TAC CCC CAA GGA TGC CAG GAA GAC GTC	891	900	909	918
927	CAC CAT TAG CCA TGT GGC AAC CTT TAC TTC TAT GCC TCA CAA GTG CCT TTC AGA	945	954	963	972
981	GAG CCC CAA TTC TGC TTT CCC ACA AAA TAA ACC TAA TGC CAT CAG GCA AAA CAA	999	1008	1017	1026
1035	AAA AAA AAA 3'				

FIGURE 1C

66977 " E247460

1	M	G	P	L	P	R	T	V	E	L	F	Y	D	V	L	S	P	Y	S	W	L	G	F	F	E	I	L	C	R	Y	Q	N	I	W	N	I	N	L	Q	L	R	1554593
1	M	G	P	A	P	R	V	L	E	L	F	Y	D	V	L	S	P	Y	S	W	L	G	F	F	E	V	L	C	R	Y	Q	H	L	W	N	I	K	L	K	L	R	gi1911749
41	P	S	L	I	T	G	I	M	K	D	S	G	N	K	P	P	G	L	L	P	R	K	G	L	Y	M	A	N	D	L	K	L	L	R	H	H	L	Q	I	P	1554593	
41	P	A	L	L	A	G	I	M	K	D	S	G	N	Q	P	P	A	M	V	P	H	K	G	Q	Y	I	L	K	E	I	P	L	L	K	Q	L	F	Q	V	P	gi1911749	
81	I	H	F	P	K	D	F	L	S	V	M	L	E	K	G	S	L	S	A	M	R	F	L	T	A	V	N	L	E	H	P	E	M	L	E	K	A	S	R	E	1554593	
81	M	S	V	P	K	D	F	F	G	E	H	V	K	K	G	T	V	N	A	M	R	F	L	T	A	V	S	M	E	Q	P	E	M	L	E	K	V	S	R	E	gi1911749	
121	L	W	M	R	V	W	S	R	N	E	D	I	T	E	P	Q	S	I	L	A	A	E	K	A	G	M	S	A	E	Q	A	Q	G	L	L	E	K	I	A	1554593		
121	L	W	M	R	I	W	S	R	D	E	D	I	T	E	S	Q	N	I	L	S	A	A	E	K	A	G	M	A	T	A	Q	A	Q	H	L	L	N	K	I	S	gi1911749	
161	T	P	K	V	K	N	Q	L	K	E	T	T	E	A	A	C	R	Y	G	A	F	G	L	P	I	T	V	A	H	V	D	G	Q	T	H	M	L	F	G	S	1554593	
161	T	E	L	V	K	S	K	L	R	E	T	T	G	A	A	C	K	Y	G	A	F	G	L	P	T	T	V	A	H	V	D	G	K	T	Y	M	L	F	G	S	gi1911749	
201	D	R	M	E	L	L	A	H	L	L	G	E	K	W	M	G	P	I	P	P	A	V	N	A	R	L	1554593															
201	D	R	M	E	L	L	A	Y	L	L	G	E	K	W	M	G	P	P	T	L	N	A	R	L	gi1911749																	

FIGURE 2

559T "E22460

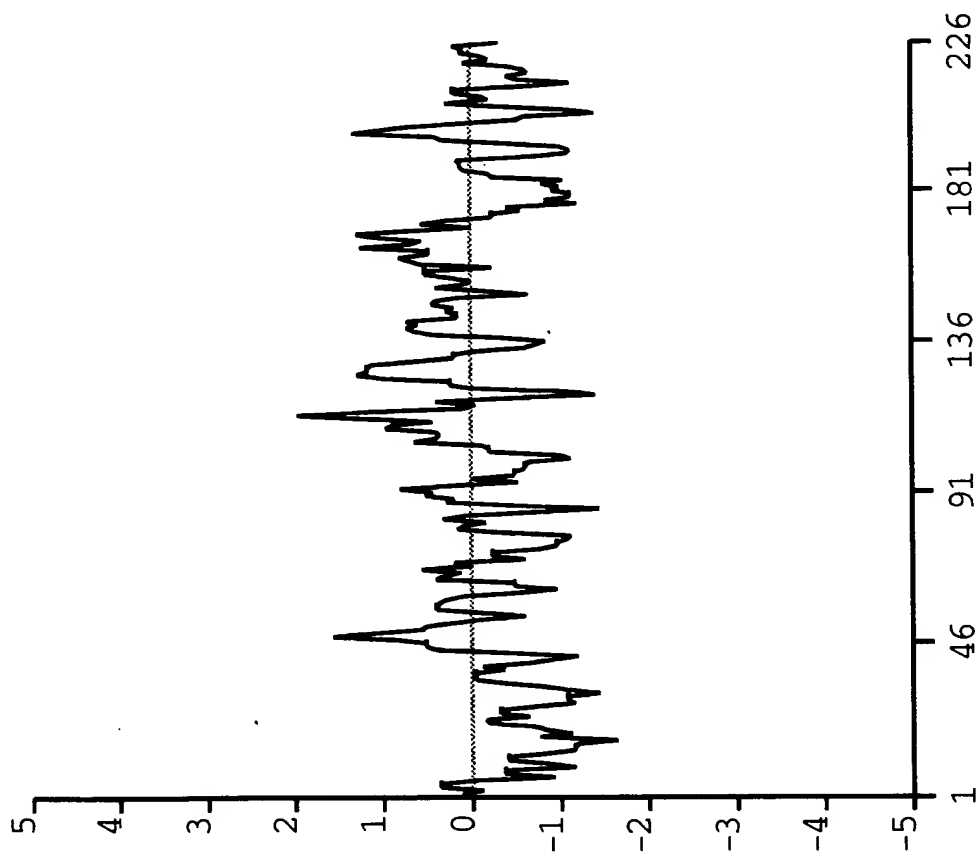


FIGURE3A

66911" E247450

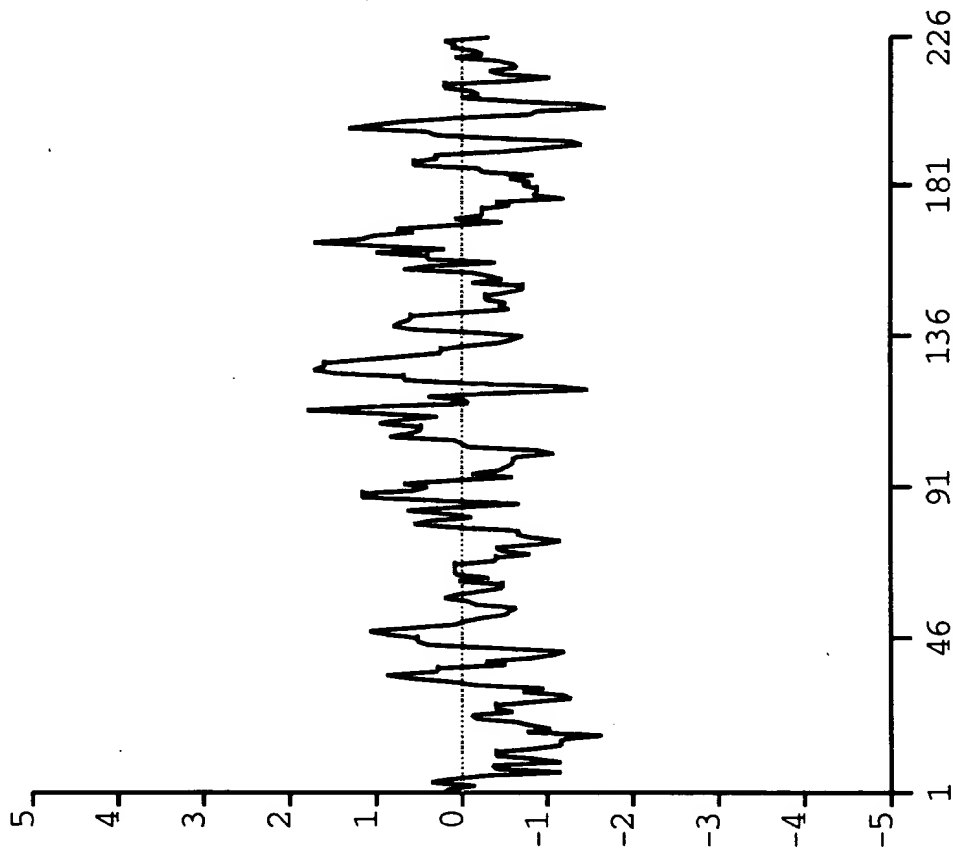


FIGURE3B